SWETA AGRAWAL

Department of Computer Science, University of Maryland College Park, MD 20740
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EDUCATION

Ph.D. in Computer Science August 2018 - Present
University of Maryland, College Park (CGPA: **3.94**/4.0)
Advisor: Marine Carpuat

Masters in Computer Science August 2018 - May 2020
University of Maryland, College Park (CGPA: **3.94**/4.0)
Advisor: Marine Carpuat

Bachelor of Technology in Computer Science and Engineering July 2013 - May 2017
Indian Institute of Technology Guwahati (CGPA: **9.30**/10.0)
Advisor: Amit Awekar

PUBLICATIONS AND PATENTS

Publications

Sweta Agrawal, Weijia Xu and Marine Carpuat, *A Non-Autoregressive Edit-Based Approach to Controllable Text Simplification*, **Findings of ACL** 2021.

Sweta Agrawal, George Foster, Markus Freitag and Colin Cherry, *Assessing Reference-Free Peer Evaluation for Machine Translation*, **NAACL** 2021.

Eleftheria Briakou, **Sweta Agrawal**, Ke Zhang, Joel Tetreault and Marine Carpuat, *A Review of Human Evaluation for Style Transfer*, **GEM** 2021.

Sweta Agrawal and Marine Carpuat, *Generating Diverse Translations via Weighted Fine-tuning and Hypotheses Filtering for the Duolingo STAPLE Task*, **WNGT, ACL** 2020.

Sweta Agrawal and Marine Carpuat, *Controlling Text Complexity in Neural Machine Translation*, **EMNLP-IJCNLP** 2019.

Sweta Agrawal and Amit Awekar, *Deep Learning for Detecting Cyberbullying Across Multiple Social Media Platforms*, European Conference on Information Retrieval (**ECIR**), 2018.

Ankur Garg, Sunav Choudhary, Payal Bajaj, **Sweta Agrawal**, Abhishek Kedia, and Shubham Agarwal, *Smart Geo-Fencing Using Location Sensitive Product Affinity*, **ACM SIGSPATIAL**, 2017.

Patents

Chetan Nanda, **Sweta Agrawal**, Ramesh P B, *Temporal Color Correction using Machine Learning*, USPTO.

Ankur Garg, **Sweta Agrawal**, Payal Bajaj, Abhishek Kedia, and Shubham Agarwal, *Smart Geo-Fencing Using Location Sensitive Product Affinity*, USPTO.

SKILLS

Programming Languages	Python, C/C++, R
ML Frameworks	Pytorch, Tensorflow, Caffe, Keras, Scikit-Learn, Theano

RELEVANT COURSEWORK

Graduate Courses	Computational Linguistics, Numerical Optimization, Algorithms in Machine Learning: Guarantees and Analyses, Information Retrieval Systems
Seminar Courses	Visual Learning and Recognition, Neural Machine Translation, Computational Linguistics and the Cognitive Neuroscience of Language
Undergraduate Courses	Artificial Intelligence, Natural Language Processing, Computer Vision, Information Retrieval, Probability Theory and Random Processes, Algorithmic Game Theory, Data Mining

EXPERIENCE

Research Intern, Google Montreal June 2020 - December 2020
Designed and assessed methods to automatically evaluate the quality of Machine Translation system outputs when reference text is unavailable.

Graduate Research Assistant, Computational Linguistics and Information Processing (CLIP) lab, University of Maryland June 2019 - December 2019

Member of Technical Staff, Adobe Systems, Noida, India June 2017 - July 2018
Developed models that automate the process of color correction and color grading for Adobe Premiere Pro CC.

Research Intern, Adobe Systems, Bangalore, India May 2016 - July 2016
Designed and developed product-specific, user-affinity and location-semantics based geo-fences.

Research Intern, Summer Research Fellowship Program, IIT Kanpur May 2015 - July 2015
Compared the performance of Hadoop Map Reduce and Apache Spark using K-Means clustering algorithm.

TEACHING EXPERIENCE

Graduate Courses	Artificial Intelligence Planning (Spring 2020), Multilingual Natural Language Processing (Spring 2021)
Undergraduate Courses	Natural Language Processing (Fall 2018), Deep Learning (Spring 2019), Data Science (Fall 2020)

ACADEMIC SERVICE

EMNLP 2021	Reviewer
ACL 2021	Reviewer
EMNLP 2020	Reviewer
SPNLP 2020	Program Committee
W-NUT 2020	Program Committee